openreach

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Suppliers' Information Note

For The Openreach Network

Protocol Implementation Conformance Statements (PICS) for ISDN 2e and ISDN 30e: Digital Select Services - Calling Line Identification Presentation

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1. Introduction

This document states the capabilities and options of the DSS1 Layer 3 protocol for Calling Line Identification Presentation (CLIP) Digital Select Service on the basic and primary rate access interface which has been implemented in the ISDN 2e and ISDN 30e network respectively.

The ETSI protocol specification used as a basis for this PICS proforma is ETS 300 092-1 [1].

The ETSI PICS proforma used as a basis for this PICS is ETS 300 092-2 [2].

Openreach will withdraw BT ISDN 2e and ISDN 30e Digital Select Services by end of January 2027 in line with the closure of the BT UK PSTN.

2. References

1	ETS 300 092-1 (1992)	Integrated Services Digital Network (ISDN); Calling Line Identification Presentation (CLIP) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification
2	ETS 300 092-2 (1995)	Integrated Services Digital Network (ISDN); Calling Line Identification Presentation (CLIP) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification
3	ETS 300 102-1	Integrated Services Digital Network (ISDN); User-network interface layer 3; Specifications for basic call control".
4	ISO/IEC 9646-7	Information technology - Open Systems Interconnection - Conformance testing methology and framework - Part 7: Implementation Conformance Statements.

For further information or copies of referenced sources, please see document sources at http://www.btplc.com/sinet/

3. Protocol Implemenation Conformance Statement (PICS)

Using the relevant standard (see ref. 2), the PICS is given below. The section and table numbering as used in the ETSI standard has been maintained. Only those parts of the standard relevant to the network implementation are given. For guidance on the abbreviations and meaning of the completed PICS tables, see SIN 370, Part A.

Unless stated otherwise, the standard referred to in the **reference** column is the ETS given in reference 1. For glossary of terms used, see the referenced standards [1, 2].

A.4 Identification of the protocol

This PICS proforma applies to the following standard:

ETS 300 092-1 (1992): "Integrated Services Digital Network (ISDN); Calling Line Identification Presentation (CLIP) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".

NOTE: ETS 300 092-1 (1992) was initially published as ETS 300 092 (1992).

A.5 Global statement of conformance

The implementation described in this PICS meets all the mandatory requirements of the referenced standard?

[✓] **Yes**

[ ] **No**

NOTE: Answering "No" to this question indicates non-conformance to the protocol specification. Non-supported mandatory capabilities are to be identified in the PICS, with an explanation of why the implementation is non-conforming. Explanations may be entered in the comments field at the bottom of each table or on attached pages.

In the tabulations which follow, all references are to ETS 300 092-1 [1] unless another numbered reference is explicitly indicated.

A.6 Roles

Table A.1: Type of implementation

Item	Major role: Does the implementation...	Conditions for status	Status	Reference	Support
	Type of implementation				
R 1	support the CLIP supplementary service (note 1)		O	6.1, 9.5	[✓]Yes [ ]No
R 2.1	support user requirements?		O.1	9, 10	[ ]Yes [✓]No
R 2.2	support network requirements?		O.1	9, 10	[✓]Yes [ ]No
R 3	not used (note 2)				
R 4.1	support user requirements at the interface of the served user?		N/A		N/A
R 4.2	support user requirements at the interface of the calling user?	R 2.1 NOT R 2.1	M N/A	9.2	[ ]Yes [ ]No [✓]N/A
R 4.3	support network requirements at the interface of the served user?	R 2.2 AND R1 NOT (R 2.2 AND R1)	M N/A	9.5	[✓]Yes [ ]No [ ]N/A
R 4.4	support network requirements at the interface of the calling user?	R 2.2 NOT R 2.2	M N/A	9.3, 9.4	[✓]Yes [ ]No [ ]N/A
O.1	Support of one and only one of these options is required.				
NOTE 1:	ETS 300 092-1 [1] contains requirements that can be implemented independently of support of the supplementary service.				
NOTE 2:	ETS 300 092-1 [1] provides identical requirements for the T reference point and for the coincident S and T reference point. Therefore, this PICS proforma makes no distinction between the different reference points.				
Comments:					

A.7 User

The tables provided in this clause need only to be completed for user implementations, where item R 2.1 in table A.1 is supported.

A.8 Network

The tables provided in this clause need only to be completed for network implementations, where item R 2.2 in table A.1 is supported.

A.8.1 Major capabilities

Table A.5: Major capabilities - network

Item	Major capability: Does the implementation support...	Conditions for status	Status	Reference	Support
MC 2	**Originating network**				
MC 2.1	actions at the originating local exchange if a special arrangement does not apply?		M	9.3	[✓]Yes [ ]No
MC 2.2	actions at the originating local exchange if a special arrangement applies?		O	9.4	[✓]Yes [ ]No
MC 3	**Destination network**				
MC 3.1	the two Calling party number information element delivery option?	R 4.3 NOT R 4.3	O N/A	annex B	[✓]Yes [ ]No [ ]N/A
Comments:					

A.8.2 Subsidiary capabilities

Table A.6: Subsidiary capabilities - network

Item	Subsidiary capability: Does the implementation support...	Conditions for status	Status	Reference	Support
SC 2	**Destination network**				
SC 2.1	presentation of the calling party numbers with Type Of Number (TON) field coded "national" or "international" as appropriate?	R 4.3 NOT R 4.3	O.5 N/A	tables 1 and 2	[✓]Yes [ ]No [ ]N/A
SC 2.2	presentation of the calling party numbers with TON field coded "unknown"?	R 4.3 NOT R 4.3	O.5 N/A	tables 1 and 2	[✓]Yes [ ]No [ ]N/A
SC 3	**Originating network**				
SC 3.1	the completion of the number as appropriate, and the setting of the value of the screening indicator forwarded to the called user to "user-provided, verified and passed", if the calling user provides partial calling number and the number is valid?		M	9.3.1	[✓]Yes [ ]No
SC 4	**Interworking with other networks** **Originating network**				
	no options				
SC 5	**Interworking with other networks** **Destination network**				
SC 5.1	the indication of "number not available due to interworking" when interworking with non-ISDNs that provide no indication of restriction?	R 4.3 NOT R4.3	O.6 N/A	11	[✓]Yes [ ]No [ ]N/A
SC 5.2	the indication of "presentation restricted" when interworking with non-ISDNs that provide no indication of restriction?	R 4.3 NOT R4.3	O.6 N/A	11	[ ]Yes [✓]No [ ]N/A
SC 5.3	the indication of "presentation allowed" when interworking with non-ISDNs that provide no indication of restriction?	R 4.3 NOT R4.3	O.6 N/A	11	[ ]Yes [✓]No [ ]N/A
O.5 O.6	Support of at least one of these options is required. Support of at least one of these options is required.				
Comments:					

A.8.3 Protocol data units

No items requiring response.

A.8.4 Protocol data unit parameters

NOTE: This subclause provides the part of the structure of the Calling party number information element required for implementations supporting ETS 300 092-1 [1]. This structure is currently not included in the basic call PICS proforma. However, it is provided here as a temporary solution in the format of a normal PICS table with a support column to be completed. It is intended that this table is contributed as part of a proposal for an amendment to the basic call PICS proforma. Once the basic call PICS proforma are amended, the relevant table(s) will revert to RL format (support column removed/basic call status column inserted). This is considered as a temporary solution in the sense of ISO/IEC 9646-7 [4], subclause 8.7.2.

Table A.7: SETUP PDU/Calling party number information element parameters and values received by the network at the side of the calling user

Item	Does the implementation support...	Received by the network			
	the Calling party number information element parameters and values...	SS conditions for status	SS status	Reference	Support
P 2.1	TON		M	[3] 4.5.10	[✓]Yes [ ]No
P 2.1.1	unknown		M	[3] 4.5.10	[✓]Yes [ ]No
P 2.1.2	international		M	[3] 4.5.10	[✓]Yes [ ]No
P 2.1.3	national		M	[3] 4.5.10	[✓]Yes [ ]No
P 2.1.4	subscriber number		M	[3] 4.5.10	[✓]Yes [ ]No
P 2.2	NPI		M	[3] 4.5.10	[✓]Yes [ ]No
P 2.2.1	unknown		M	[3] 4.5.10	[✓]Yes [ ]No
P 2.2.2	ISDN/Telephony		M	[3] 4.5.10	[✓]Yes [ ]No
NOTE:	This table only contains parameters of relevance to ETS 300 092-1 [1]. Additional parameters may be required for support of basic call (ETS 300 102-1 [3]).				
Comments:					

Table A.8: SETUP PDU/Calling party number information element parameters and values sent by the network at the side of the served user

Item	Does the implementation support... the Calling party number information element parameters and values...	Sent by the network			
		SS conditions for status	SS status	Reference	Support
P 3.1	TON	R 4.3 NOT R 4.3	M N/A	[3] 4.5.10	[✓]Yes [ ]No [ ]N/A
P 3.1.1	unknown	SC 2.2 NOT SC 2.2	M N/A	[3] 4.5.10	[ ]Yes [✓]No [ ]N/A
P 3.1.2	international	SC 2.1 NOT SC 2.1	M N/A	[3] 4.5.10	[✓]Yes [ ]No [ ]N/A
P 3.1.3	national	SC 2.1 NOT SC 2.1	M N/A	[3] 4.5.10	[✓]Yes [ ]No [ ]N/A
P 3.2	NPI	R 4.3 NOT R 4.3	M N/A	[3] 4.5.10	[✓]Yes [ ]No [ ]N/A
P 3.2.1	unknown	P 3.2 NOT P 3.2	O.7 N/A	[3] 4.5.10	[ ]Yes [✓]No [ ]N/A
P 3.2.2	ISDN/Telephony	P 3.2 NOT P 3.2	O.7 N/A	[3] 4.5.10	[✓]Yes [ ]No [ ]N/A
P 3.3	Presentation Indicator	R 4.3 NOT R 4.3	M N/A	[3] 4.5.10	[✓]Yes [ ]No [ ]N/A
P 3.3.1	presentation allowed	P 3.3 NOT P 3.3	M N/A	[3] 4.5.10	[✓]Yes [ ]No [ ]N/A
P 3.3.2	presentation restricted	P 3.3 NOT P 3.3	M N/A	[3] 4.5.10	[✓]Yes [ ]No [ ]N/A
P 3.3.3	number not available due to interworking	P 3.3 NOT P 3.3	M N/A	[3] 4.5.10	[✓]Yes [ ]No [ ]N/A
O.7	Support of at least one of these options is required.				
NOTE:	This table only contains parameters of relevance to ETS 300 092-1 [1]. Additional parameters may be required for support of basic call (ETS 300 102-1 [3]).				
Comments:					

A.8.5 Timers

No items requiring response.

A.8.6 Call states

No items requiring response.

4. History

Issue 1	Date	First Issue
Issue 1.1	June 2014	Change SINet site references from http://www.sinet.bt.com to http://www.btplc.com/sinet/
Issue 1.2	August 2020	Changes to branding, from BT to Openreach including changes to reflect new Openreach SIN site and Openreach SIN email address.
Issue 1.2	September 2021	Annual Review – no changes required – issue remains unchanged.
Issue 1.2	August 2022	Annual Review – branding and font changes only – issue remains unchanged.
Issue 1.2	August 2023	Annual Review – branding and font changes only – issue remains unchanged.
Issue 1.3	August 2025	Withdrawal notification added to the introduction section.